Dynamin-related proteins Vps1p and Dnm1p control peroxisome abundance in Saccharomyces cerevisiae

Kuravi, Kasinath; Nagotu, Shirisha; Krikken, Arjen M.; Sjollema, Klaas; Deckers, Markus; Erdmann, Ralf; Veenhuis, Marten; van der Klei, Ida J.

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Table S1. ***Saccharomyces cerevisiae*** **strains used in this study**

Strain	**Description**	**Source**
BY4742 WT	*MATα his3*Δ *leu2*Δ *lys*Δ *ura3*Δ	Euroscarf, Frankfurt
BY4742 WT GFP-SKL	BY4742 WT.*URA3::*P_{MET25} *GFP.SKL*	This study
BY4742 *vps1*	*vps1*Δ::kanMX4	Euroscarf , Frankfurt
BY4742 *vps1* GFP-SKL	BY4742 *vps1.URA3*::P_{MET25} *GFP.SKL*	This study
BY4742 *dnm1*	*dnm1*Δ::kanMX4	Euroscarf, Frankfurt
BY4742 *dnm1* GFP-SKL	BY4742 *dnm1*Δ.*URA3*::P_{MET25} *GFP.SKL*	This study
BY4742 *fis1*	*fis1*Δ::kanMX4	Euroscarf, Frankfurt
BY4742 *fis1* GFP-SKL	BY4742 *fis1*Δ.*URA3*::P_{MET25} *GFP.SKL*	This study
BY4742 *vps1*	*vps1*Δ*::HIS3*	This study
BY4742 *dnm1 vps1*	*vps1*Δ*::HIS3 dnm1*Δ*::loxp. URA3*::P_{MET25} *GFP.SKL*	This study
BY4742 Dnm1-GFP	*DNM1.GFP*::kan MX4	This study
BY4742 Dnm1-GFP DsRed-SKL	*DNM1.GFP*::kan MX4.*HIS3*::P_{MET25} *DsRed.SKL*	This study
BY4742 *dnm1 vps1* GFP-Ant1p	*vps1*Δ*::HIS3 dnm1*Δ*::loxp. URA3*::P_{MET25} *GFP.ANT1*	This study
BY4742 GFP-Fis1p DsRed-SKL	*LEU2*::P_{MET25} *GFP.FIS1*; *HIS3*::P_{MET25} *DsRed.SKL*	This study
BY4742 *fis1*	*fis1*Δ*::loxp*	This study
BY4742 *fis1*Dnm1-GFP	*fis1*Δ*::lox entf. Dnm1.GFP::*kanMX4	This study
BY4742 *fis1* Dnm1-GFP DsRed-SKL	*fis1*Δ*::lox entf. Dnm1.GFP::*kanMX4 *HIS3*::P_{MET25} *DsRed.SKL*	This study

Table S2. Plasmids used in this study

Plasmid	Description	Source or Reference
pRS6	P_{MET25} *GFP.SKL* ; amp^R *Sc-URA3*	(Schäfer et al., 2004)
MBA-72 (M4754)	KanMX::*HIS3*; amp^R	(Voth et al., 2003)
pUG34	P_{MET25} *GFP*; amp^R *Sc-HIS3*	(Güldener et al., 1996)
pUG36	P_{MET25} *GFP*; amp^R *Sc-URA3*	(Güldener et al., 1996)
pHIPZ4-DsRed-T1.SKL	P_{AOX} *DsRed.SKL*; amp^R; Zeo^R	(Monastyrska et al., 2005)
pUG34 DsRed.SKL	P_{MET25} *DsRed.SKL*; amp^R *Sc-HIS3*	This study
pUG6	Vector containing loxp flanked KanMX4 cassette	(Güldener et al., 1996)
pSH47	Vector containing cre recombinase used to remove resistance marker	(Güldener et al., 1996)
pYM12	Vector containing *GFP* for C-terminal GFP fusion	(Knop et al., 1999)
pMD23	P_{MET25} *GFP.ANT1*; amp^R *Sc-URA3*	This study
pRS415 GFP-FIS1aa1-155	P_{MET25} *GFP. FIS1*aa1-155; amp^R *LEU2*	(Mozdy et al., 2000)

Table S3. Primers used in this study

Primer	Sequence
RE 1384	5′-AGTTTATAAAAAGGCTGCAACCCTTATTAGTAATATTCTGCGTACGCTGCA GGTCGAC-3′
RE 1385	5′-CAATGTTGAAGTAAGATCAAAAATGAGATGAATTATGCAAATCGATGAAT TCGACGAGCTCG-3′
RE 1386	5′-AAAGAATGGAGAGGAGAGC-3′
K3	5′-CCTCGACATCATCTGCCC-3′
RE 1395	5′-TTAAGTAGCTACCAGCGAATCTAAATACGACGGATAAAGACAGCTGAAGC TTCGTACGCT-3′
RE 1396	5′-CAATGTTGAAGTAAGATCAAAAATGAGATGAATTATGCAAATAGGCCACTA GTGGATCTG-3′
RE1664	5′-CAGGAATTCTTAACTCTAGAGTCTGCATTAAC-3′
RE1665	5′-TGACTCGAGTCAAGTGGAAGCCAGCTTGCG-3′
RE1695	5′-CATAGAAGCACAGATCAGAGCACAGCCATACAACATAAGTCAGCTGAAGCTTCGTAC GCT-3′
RE1696	5′-TCTTATGTATGTACGTATGTGCTGATTTTTTATGTGCTTGATAGGCCACTAGTGGATCT G-3′
RE1697	5′-CCAGCTCCAGGGCATACAGT-3′
RE1698	5′-GTTGCTGTGACAACCGTAGGC-3′